

Application No.: 10/758,039

AMENDMENT TO THE CLAIMS

1-23. (Canceled)

24. (Currently amended) A mobile telecommunication antenna embedded in ~~[[a]]~~ an upper region in a case of a telecommunication apparatus comprising a high-frequency circuit and a grounding substrate in use operable in a plurality of different frequency bands, case-in-use comprising:

a first radiation-conductive element having a sheet shape arranged ~~[[substantially]]~~ in parallel with a surface of the grounding substrate and over the surface of the grounding substrate ~~located at an upper region in the case;~~

a second radiation-conductive element having a strip shape ~~arranged substantially in vertical~~ having walls perpendicular to the surface of the grounding substrate ~~and located at an upper region in the case; and~~

a power supply terminal for electrically coupling at least one of the radiation-conductive elements to ~~[[a]]~~ the high-frequency circuit embedded in the case,

wherein the first and second radiation-conductive elements are electrically coupled to each other, and at least one of the radiation-conductive elements is electrically coupled to the grounding substrate ~~for being operable in a plurality of different frequency bands.~~

25. (Currently amended) The mobile telecommunication antenna according to claim 41, ~~[[24]] further comprising a body,~~ wherein the body is made of one of dielectric material and magnetic material ~~and accommodating the first and second radiation-conductive elements at least~~

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~~one of on a surface of the body and in the body, or wherein the body is made of magnetic material and accommodating the first and second radiation-conductive elements on a surface of the body.~~

26-38. (Canceled)

39. (Currently amended) A mobile telecommunication apparatus operable in a plurality of different frequency bands comprising

an operating unit;

a display;

a speaker;

a microphone;

a case;

a high-frequency circuit embedded in the case;

a grounding substrate; and

an antenna embedded in the case, comprising:

a first radiation-conductive element arranged ~~substantially~~ in parallel with a surface of the grounding substrate and disposed at an upper region in the case;

a second radiation-conductive element ~~arranged substantially in vertical~~ having walls perpendicular to the surface of the grounding substrate and disposed at the upper region in the case; and

a power supply terminal electrically coupling at least one of the first and second radiation-conductive elements to the high-frequency circuit,

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wherein the first and second radiation-conductive elements are electrically coupled to each other, and at least one of the first and second radiation-conductive elements is electrically coupled to the grounding substrate.

40. (Canceled)

41. (New) The mobile telecommunication antenna according to claim 24, further comprising a body having a first surface and a second surface, the first surface being parallel with the surface of the grounding substrate and facing away from the surface of the grounding substrate, the second surface being perpendicular to the surface of the grounding substrate, wherein the first radiation-conductive element is arranged on the first surface of the body, and the second radiation-conductive element is arranged on the second surface of the body.

42. (New) The mobile telecommunication antenna according to claim 24, further comprising a body accommodating the first and second radiation-conductive elements therein.

43. (New) The mobile telecommunication antenna according to claim 42, wherein the body is made of one of dielectric material and magnetic material.

44. (New) The mobile telecommunication antenna according to claim 24, wherein the first and second radiation-conductive elements are capable of at least one of emitting radio waves therefrom and receiving radio waves thereto.

45. (New) The mobile telecommunication apparatus according to claim 39, further comprising a body having a first surface and a second surface, the first surface being parallel with the surface of the grounding substrate and facing away from the surface of the grounding substrate, the second surface being perpendicular to the surface of the grounding substrate,

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wherein the first radiation-conductive element is arranged on the first surface of the body,
and

wherein the second radiation-conductive element is arranged on the second surface of the
body.

46. (New) The mobile telecommunication apparatus according to claim 45, wherein the
body is made of one of dielectric material and magnetic material.

47. (New) The mobile telecommunication apparatus according to claim 39, further
comprising a body accommodating the first and second radiation-conductive elements therein.

48. (New) The mobile telecommunication apparatus according to claim 47, wherein the
body is made of one of dielectric material and magnetic material.

49. (New) The mobile telecommunication apparatus according to claim 39, wherein the
first and second radiation-conductive elements are capable of at least one of emitting radio waves
therefrom and receiving radio waves thereto.